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M1 - [01] M423 M431 M782 M905 Q110 Q130; RA0367-K RA0367-M
- [02] M423 M431 M782 M905 Q110 Q130; RA04QH-K RA04QH-M
- [03] C316 F012 F013 F014 F015 F016 F019 F123 F199 H4 H405 H424 H484 H5 H522 H8 J0 J013 J014 J1 J173 J321 J322 K0 K353 K399 K421 K499 L6 L660 L699 L8 L810 L817 L824 L831 L834 M210 M211 M262 M280 M281 M282 M283 M311 M312 M313 M323 M332 M342 M343 M344 M349 M373 M381 M383 M393 M423 M431 M510 M523 M530 M540 M782 M904 M905 P411 Q110 Q130; 0100-61701-K 0100-61701-T 0100-61701-M
PA - (SEGK) SEIKAGAKU KOGYO CO LTD
PN - JP2002265369 A 20020918 DW200363 A61K31/726 007pp
PR - JP20010062756 20010307
XA - C2003-181114
XIC - A61K-031/726 ; A61K-031/727 ; A61K-045/00 ; A61P-025/00 ; A61P-043/00 ; C08B-037/08
AB - JP2002265369 NOVELTY - Intensifier of growth factor activity comprises glycosaminoglycan derivative or its salts as active ingredient whose average molecular weight is 4,000 to 20,000 Dalton and which has more than one basic structure in one molecule of glycosaminoglycan.
- DETAILED DESCRIPTION - Intensifier of growth factor activity comprises glycosaminoglycan derivative or its salts as active ingredient whose average molecular weight is 4,000 to 20,000 Dalton and which has more than one basic structure of formula (I) in one molecule of glycosaminoglycan.
- R1 = H or SO3H;
- R2 = COCH3 or SO3H.
- An INDEPENDENT CLAIM is also included for the composition containing the above intensifier and the growth factor.
- ACTIVITY - Analgesic. Nerve cell strain of PC12D was cultured in the presence of PO2DSH as a sample and standard heparin as a control in Dulbecco's modified eagle medium (DMEM) containing NGF (1 ng/ml, 10 ng/ml or 50 ng/ml) for 24 hours in a C02 incubator. The growth of neurite in each medium was observed. The results show that the addition of PO2DSH gave the same growth of neurite as when 50 ng/ml of NGF was added even though NGF's actual concentration was 1 ng/ml. This proved that PO2DSH greatly increased the activity of NGF.
- MECHANISM OF ACTION - Growth Factor Stimulator.
- USE - The intensifier of growth factor activity is used to decrease side effects such as pains caused by growth factor itself.
- ADVANTAGE - Glycosaminoglycan derivative intensifies nerve growth factor (NGF) and fibroblast growth factor (FGF) activities.
- (Dwg.0/0)
CN - RA0367-K RA0367-M RA04QH-K RA04QH-M 0100-61701-K 0100-61701-T 0100-61701-M
IW - NEW INTENSIFY GROWTH FACTOR ACTIVE CONTAIN GLYCOSAMINOGLYCAN

DERIVATIVE LOWER ACTIVE ANTI BLOOD COAGULATE DECREASE SIDE EFFECT CAUSE GROWTH FACTOR

IKW - NEW INTENSIFY GROWTH FACTOR ACTIVE CONTAIN GLYCOSAMINOGLYCAN DERIVATIVE LOWER ACTIVE ANTI BLOOD COAGULATE DECREASE SIDE EFFECT CAUSE GROWTH FACTOR

NC - 001

OPD - 2001-03-07

ORD - 2002-09-18

PAW - (SEGK) SEIKAGAKU KOGYO CO LTD

TI - New intensifier of growth factor activity, containing glycosaminoglycan derivative, having lower activity of anti-blood coagulation and decreases side effects caused by growth factor